

SEQUENCE LISTING

<110> President and Fellows of Harvard College
<120> FK506-based regulation of biological events
<130> ARIAD 385A US
<140> US 09/435,257
<141> 1999-05-11
<160> 34
<170> PatentIn version 3.0
<210> 1
<211> 14
<212> PRT
<213> Artificial Sequence



<120>
<221> BINDING
<222> (1)..(14)
<223> membrane binding domain

<400> 1

Met Gly Ser Ser Lys Ser Lys Pro Lys Asp Pro Ser Gln Arg
1 5 10

<210> 2
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<221> BINDING
<222> (1)..(4)
<223> organelle targeting domain

<400> 2

Lys Asp Glu Leu
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<210> 3
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
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<222> (1)..(4)
<223> organelle targeting domain

<400> 3
His Asp Glu Leu
1

<210> 4
<211> 42
<212> DNA
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<220>
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<222> (1)..(42)
<223> hCNA cloning oligo.12

<400> 4
cgggcccccc ctcgagtcctt cgaccgacag ggtgggtgaaa gc 42

<210> 5
<211> 41
<212> DNA
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<220>
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<222> (1)..(41)
<223> hCNA cloning oligo.340

<400> 5
atataaatcg ctcgagccat acgtggcttcc aaatttcatg g 41

<210> 6
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<222> (1)..(43)
<223> hCNA cloning oligo.350

<400> 6
atataaatcg ctcgagttta ctgtggccct tccatttgtt gggg 44

<210> 7
<211> 58
<212> DNA
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<221> misc_structure
<222> (1)..(58)
<223> hCNA cloning oligo.370

<400> 7
ccagtagggt ctagatctgg gcccacgata taagtcgacg ttgaggacat ttaccagg 58

<210> 8
<211> 9
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_structure
<222> (1)..(9)
<223> overlapping XbaI and BglII sites

<100> 8
tctagatct 9

<210> 9
<211> 63
<212> DNA
<213> Artificial Sequence

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<221> misc_structure
<222> (1)..(63)
<223> hCNA cloning oligo.394

<400> 9
ttaatctaga tcttcacttg tcatcgcat cttagatgc gacctttc cgggctgcag 60
ctg 63

<210> 10
<211> 41
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_structure
<222> (1)..(41)
<223> hCNB cloning oligo.2

<400> 10
atataaatcg ctcgaggaa atgaggcaag ttatcccttg g 41

<210> 11

<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_structure
<222> (1)..(38)
<223> hCNB cloning oligo.3

<400> 11
atataaatcg ctcgagaatg aggcaagtta tcctttgg 38

<210> 12
<211> 65
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_structure
<222> (1)..(65)
<223> hCNB/FLAG cloning oligo

<400> 12
ttaatctaga tctggccct cacttgtcat cgtcatctt atagtcgacc acatctacca 60
ccatc 65

<210> 13
<211> 116
<212> DNA
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<221> misc_structure
<222> (1)..(116)
<223> hCNA template linkers

<400> 13
cgatttatat gggccctcta gatctagaac cagaaccaga accagaacca gaaccagaac 60
cagaaccaga accagaacca ccagaaccag aaccaccgtt gaggacattt accagc 116

<210> 14
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<212> DNA
<213> Artificial Sequence

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<222> (1)..(58)
<223> CNA-CNB linker oligo.1

<400> 14
gaatcgcaaa tctagatctg ggcccgcat ctttatagtc gacaccagaa ccagaacc 58

<210> 15
<211> 58
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_structure
<222> (1)..(58)
<223> CNA-CNB linker oligo.2

<400> 15
gaatcgcaaa tctagatctg ggcccgcat ctttatagtc gacagaacca gaaccaga 58

<210> 16
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_signal
<222> (1)..(72)
<223> CNA 370 linker oligo

<400> 16
qqtqgttctg gttctggtgg ttctgggtt ggttctggtt ctgggttgg ttctqgttct 60
ggttctggtt ct 72

<210> 17
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<221> PEPTIDE
<222> (1)..(24)
<223> CNA 370 linker

<400> 17
Gly Gly Ser Gly Ser Gly Gly Ser Gly Ser Gly Ser Gly Ser
1 5 10 15

Gly Ser Gly Ser Gly Ser Gly Ser
20

<210> 18
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<222> (1)..(22)
<223> CNA primer.1

<400> 18
gtcgacagaa ccagaaccag a

21

<210> 19
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<221> misc feature
<222> (1)..(22)
<223> CNA primer.2

<400> 19
gtcgacacca gaaccagaac c

21

<210> 20
<211> 6
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<222> (1)..(6)
<223> SalI Site

<400> 20
gtcgac

6

<210> 21
<211> 5
<212> PPT
<213> Artificial Sequence

<220>
<221> PEPTIDE
<222> (1)..(5)
<223> GS linker repeats

<400> 21

Gly Gly Ser Gly Ser
1 5

<210> 22
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> mature CAB peptide fragment

<220>
<221> PEPTIDE
<222> (1)..(4)
<223> mature CAB fragment

<400> 22

Val Asp Thr Ser
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<210> 23
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> pB42AD polylinker oligo.1

<220>
<221> misc_feature
<222> (1)..(66)
<223> pB42AD polylinker oligo1

<400> 23
tcgacgaatt cggccccc tt aagtccggag gtcaccatg ggtcgacg tc ggtcgtagac 60
tcgaga 66

<210> 24
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> pB42AD polinker oligo 2

<220>
<221> misc_feature
<222> (1)..(66)
<223> pB42AD polinker oligo 2

<400> 24
aatttcttga gtctacgacc gacgtcgacc catgggtgac ctccggactt aaggggccccg 60
aattcg 66

<210> 25
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> oligos.1

<220>
<221> misc_feature
<222> (1)..(42)
<223> oligos.1

<400> 25
cggggccccc gaattcctcg agatggcgt gcaggtggag ac 42

<210> 26
<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<223> oligos.2

<220>
<221> misc_feature
<222> (1)..(37)
<223> oligos.2

<400> 26
gggtctggat ccgtggactt ccagtttag aagctcg 37

<210> 27
<211> 49
<212> DNA
<213> Artificial Sequence

<220>
<223> oligos.3

<220>
<221> misc_feature
<222> (1)..(50)
<223> oligos.3

<400> 27

atataaaatcg ggatccgtct cgagccatas tggcttccaa atttcatgg 49

<210> 28
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
<223> oligos.4

<220>
<221> misc_feature
<222> (1)..(72)
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<400> 28
tctttaacca tggcggccgc gggccctcac ttgtcatcgt catcttata gtcgaccaca 60

tcttaccacca tc 72

<210> 29
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> pLexA-mCABE.1

<220>
<221> misc_feature
<222> (1)..(38)
<223> pLexA-mCABE.1

<400> 29
cttggtccct tccatttgtt gggaaaaaag tgactgag 38

<210> 30
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> pLexA-mCABE.2

<220>
<221> misc_feature
<222> (1)..(32)
<223> pLexA-mCABE.2

<400> 30
gggaacaatc tgaaagatac acagttacag c 31

<210> 31
<211> 64
<212> DNA
<213> Artificial Sequence

<220>
<223> Where "v" represents nucleotides G or C and "n" represents any of the nucleotides A, G, C or T

<220>
<221> misc_feature
<222> (1)..(64)
<223> oligo.1

<400> 31
gctgtaactg tgtatcttc agattgttcc cvnnvnncat cttvnntacc tggaagagt 60
cccc 64

<210> 32
<211> 65
<212> DNA
<213> Artificial Sequence

<220>
<223> oligo.2

<220>
<221> misc_feature
<222> (1)..(65)
<223> oligo.2

<400> 32
ttaatctaga tctggccct cacttgtcat cgtcatctt atagtcgacc acatctacca 60
ccatc 65

<210> 33
<211> 41
<212> DNA
<213> Artificial Sequence

<220>
<223> oligo.3

<220>
<221> misc_feature
<222> (1)..(41)
<223> oligo.3

<400> 33
atataaaatcg ctcgagccat actggcttcc aaatttcatg g 41

<210> 34
<211> 52
<212> DNA
<213> Artificial Sequence

<220>
<223> Where "v" represents nucleotides G or C and "n" represents any of the nucleotides A, G, C or T

<220>
<221> misc_feature
<222> (1)..(52)
<223> oligo.4

<400> 34
ctcagtcact tttccccaa caaatggaag vnnvnnaqta aaaacatcca tg 52